



870



Marshall Electronics
Professional Audio Division

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Studio Condenser Microphone

Thank you for purchasing the **MXL 870** studio condenser microphone. With proper care, this mic will provide many years of satisfaction. For best results, please take a few moments to review this literature.

Enjoy your microphone!

The MXL Team

General Characteristics

The MXL 870 has a 32mm capsule and a fixed cardioid pickup pattern. Condenser microphones are very sensitive, readily revealing very subtle sonic details. They also tend to pick up sounds outside the pattern more than some designs, which can lead to powerful feedback if you are not careful. We strongly advise experimentation with placement and isolation requirements with the gain initially set low to avoid equipment (and ear) damaging surprises!

Shockmount

The high isolation shockmount may shift during shipping. Simply shift the elastic bands to center the microphone in the assembly. Be sure that the wire clamp does not rest on the chassis of the mount, as this impairs mechanical isolation. Slide the shockmount up the body of the microphone and stop just below the grill for the most secure hold.

Contents

Unpack your MXL 870 microphone carefully and verify that all of the following items are included:

- MXL 870 microphone
- Shockmount
- microfiber cleaning cloth

If any of these items are missing or damaged, contact the company from which you purchased the microphone.

Power Requirement

IMPORTANT - This unit requires phantom power at 48 volts, ± 4 volts. Each unit has been thoroughly checked before shipping, so if you do not hear sound, check that the phantom power on your mixer or separate power supply is switched on.

Microphone Cable

This microphone connects to a mixer or preamp via XLR cable (not included). The microphone cable can have a profound effect on the sound of any microphone. Even the finest microphones will sound poor if the interconnect cable allows noise to enter, or causes distortion and loss of information. Use only the best microphone cable your budget will allow. We recommend Mogami cable for the best results.

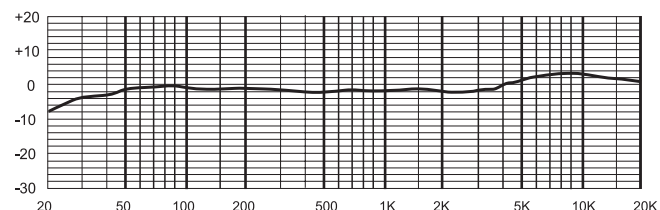
Care

Dust and foreign material can degrade the performance of a microphone over time so always store the unit in its case. For vocals closer than 3", use a pop filter or a foam windscreen to avoid getting moisture on the diaphragm as this can substantially degrade the microphone's performance. Store the microphone in its original packaging in a cool, dry place along with the included packet of silica gel. These steps will help keep the mic in proper working order and sounding its best for many years to come.

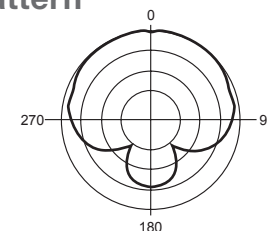
Specifications

Type	Pressure gradient condenser microphone
Capsule Size	32mm
Frequency Range	30 Hz – 20 kHz
Polar Pattern	Cardioid
Sensitivity	15mV/Pa
Impedance	200 Ω
Equivalent Noise Level	20dB (A weighted IEC 268-4)
S/N Ratio	74dB (Ref. 1Pa A-weighted)
Max SPL for .5% THD	130 dB
Power Requirements	48V Phantom Power (± 4 V)
Weight	0.8 lbs
Size	47mm x 170mm (1.85" x 6.70")
Metal Finish	Shark skin and silver

Frequency Chart



Polar Pattern



Warranty

Marshall microphones are guaranteed against defects in material and workmanship for one year from the date of purchase. Should you encounter any problem with this unit, promptly contact the company you purchased it from for assistance. The original dated sales receipt will be necessary for any warranty claim. Do not send any unit directly to us without prior authorization from our service department. Warranty coverage is limited to repair or replacement (at our option) of the microphone, and does not cover incidental damages due to use of this unit, nor damage caused by accidental misuse of this product.